

**To:** Williams, Mike[Mike.Williams@tetrattech.com]  
**From:** McCoy, Erin  
**Sent:** Thur 5/5/2016 6:10:49 PM  
**Subject:** RE: questions for sampling at Des Moines TCE

Mike, please see the answers below. Let me know if you have any other questions. Thanks!



Erin McCoy, P.G. | Remedial Project Manager

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**From:** Williams, Mike [mailto:Mike.Williams@tetrattech.com]  
**Sent:** Wednesday, May 04, 2016 4:46 PM  
**To:** McCoy, Erin <McCoy.Erin@epa.gov>  
**Subject:** questions for sampling at Des Moines TCE

Hi Erin,

I hope your training is going well. We are starting on the QAPP so we can get the Analytical Sampling Request in as soon as possible. Would you mind seeing if you can help with these questions?

Questions/comments with regard to proposed sampling (Task 2 – Site Characterization) at the Des Moines TCE Site:

- 1) It is our understanding that only four (4) buildings remain standing on the property (Buildings 1 & 2, Maintenance Building, and Production Building). Therefore, can we assume that wipe sampling and building material sampling will be limited to these 4 buildings? Yes, except for the concrete sampling. The foundation of Buildings 4 & 5 is still in place and will need sampled.
- 2) What sample volume will be required by the laboratory for the specified building material samples? I'll have to get back to you on that. I'm checking with the lab.
- 3) With regard to concrete core samples, is the intent to collect concrete chips/dust from the concrete slab surfaces for chemical analysis or are intact concrete cores required for laboratory analysis? We will need to collect soil samples below the concrete, so we might as well go ahead and collect the entire core so we can run interval sampling if necessary. Question, do you have the prober scheduled?
- 4) With regard to the soil/sediment sampling in the South Pond Area, we propose to collect 10 soil/sediment samples at evenly spaced locations around the perimeter of the pond. Is this approach acceptable or will it be necessary to collect sediment samples from the submerged area of the pond? Additionally, we propose to collect 2 surface water samples, one each from the from the inlet and outfall sides of the pond. Is this approach acceptable? Surface water seems acceptable. For the sediment, I think we will need at least 2 from the bottom of the pond, especially since we do not know how the pond will be incorporated into any potential development. The rest can be evenly distributed.

Thanks for your help.

We're also making progress on the costs for demolition. I have something to review in my inbox. I'll see how that is going.

Take care,

-Mike

Mike Williams | Sr. Project Manager/Hydrogeologist

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